# Non-Radioactive Emission Source Inventory Form

**Department/Division _____ Building No. _____**

**Brief Description of Equipment/Operation:**

**Equipment/Operation Room Location:**

**Date Equipment or Operation will be put into service:**

**What is the anticipated length of time this emission source will be in use?**

**Will Equipment or Operation vent outdoors? Yes ___ No ____**
(If equipment/operation vents outdoors, provide available building and exhaust system details below)

Building and Exhaust System Details:
Building Height (ft): _____
Height of stack above/below building roof line (ft.) _____
Inside diameter or dimension (length x width) of stack opening (inches) _____
Stack gas exit temperature (Ef) _____
Stack gas exit velocity (ft/sec) _____
Stack gas exit flow rate at actual conditions (cfm) _____

**Maximum number of hours per day Equipment/Operation will be used:**

**Maximum number of days per year Equipment/Operation will be used:**

**Describe any engineering controls used to capture/control source emissions:**
Control Equipment Types (See Code Table) _____
Control Equipment Manufacturer Name and Model No. _____
Percent Control Efficiency_____

| **Materials/Chemicals to be used** | **Estimated Quantity (Volume or Weight/Unit Time)** |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

_____ _____

_____ _____

**Are Material Safety Data Sheets (MSDS) attached? Yes ___ No ___**

**Additional Information about Equipment/Operation:**

**Completed by: _____ Date: _____**

Return completed forms to the Environmental Subject Matter Expert.

## Control Equipment Type

| Code | Type | Code | Type |
|---|---|---|---|
| 048 | Activated Carbon Adsorption | 055 | Impingement Plate Scrubber |
| 084 | Activated Clay Adsorption | 049 | Liquid Filtration System |
| 031 | Air Injection | 035 | Magnesium Oxide Scrubber |
| 068 | Alkaline Fly Ash Scrubbing | 058 | Mat or Panel Filter |
| 040 | Alkalized Alumina | 059 | Metal Fabric Filter Screen (Cotton Gins) |
| 032 | Ammonia Injection | 014 | Mist Eliminator |
| 038 | Ammonia Scrubbing | 066 | Molecular Sieve |
| 064 | Annular Ring Filter | 098 | Moving Bed Scrubber |
| 078 | Baffle | 077 | Multiple Cyclone with Fly Ash Injection |
| 074 | Barometric Condenser | 076 | Multiple Cyclone without Fly Ash Injection |
| 019 | Catalytic Afterburner | 087 | Nitrogen Blanket |
| 020 | Catalytic Afterburner with Heat Exchanger | 082 | Ozonation |
| 039 | Catalytic Oxidation-Flue Gas Desulfurization | 050 | Packed Gas Absorption System |
| 065 | Catalytic Reduction | 060 | Process Gas Recovery |
| 007 | Centrifugal | 027 | Reduction Combustor – Air Preheating |
| 083 | Chemical Neutralization | 073 | Refrigerated Condenser |
| 080 | Chemical Oxidation | 097 | Secondary Seal for External Roof Tank |
| 081 | Chemical Reduction | 033 | Selective Catalytic Reduction |
| 037 | Citrate Process Scrubbing | 029 | Selective Non-Catalytic Reduction |
| 021 | Direct Flame Afterburner | 075 | Single Cyclone |
| 022 | Direct Flame Afterburner with Heat Exchanger | 069 | Sodium Carbonate Scrubbing |
| 079 | Dry Electrostatic Granular Filter | 070 | Sodium-Alkali Scrubbing |
| 041 | Dry Limestone Injection | 052 | Spray Tower |
| 036 | Dual Alkali Scrubbing | 028 | Steam or Water Injection |
| 062 | Dust Suppression by Chemical Stabilizer or Wetting Agents | 045 | Sulfur Plant |
| 061 | Dust Suppression by Water Spray | 043 | Sulfuric Acid Plant Contact Process |
| 056 | Dynamic Separator (Dry) | 044 | Sulfuric Acid Plant Double Contact Process |
| 057 | Dynamic Separator (Dry) | 051 | Tray Type Gas Absorption Column |
| 010 | Electrostatic Precipitator | 072 | Tube and Shell Condenser |
| 016 | Fabric Filter | 096 | Vapor Lock Balance Recovery System |
| 023 | Flaring | 047 | Vapor Recovery System |

| | | | |
|---|---|---|---|
| 091 | Floating Roof | 086 | Water Curtain |
| 026 | Flue Gas Recirculation | 034 | Wellman-Lord Sodium Sulfate Scrubber |
| 071 | Fluid Bed Scrubber | 085 | Wet Cyclonic Separator |
| 013 | Gas Scrubber (General – Not Classified) | 067 | Wet Lime Slurry Scrubber |
| 063 | Gravel Bed Filter | 042 | Wet Limestone Injection |
| 004 | Gravity Collector | 001 | Wet Scrubber |
| 101 | High Efficiency Particulate Air Filter | | |